BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK : MAINTENANCE AND REPAIR WORKS AT PRIMARY HEALTH CENTER AT JARKUR IN WARD No. 05

MEASURMENT SHEET

First and Final Bill

Name of Client: Sri. Gnanendra Murthy M D, #41/1, Balaji Nilaya, 5th Main Road, 4th Cross, Near Priya Darshini School, Rangari Satellite Town, Banglore-560 060

Item No.	Description of Item	Unit	No	Lengt (m)	Breadt (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
Item No.39	KSRB 10-3 : Providing and laying integral cement based waterproofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc., consisting of following application. (a) Applying and grouting a slurry coat of neat cement using 2.75 kg/sqm of cement admixed with proprietary water proofing compound conforming to IS:2645 over the RCC slab after cleaning the surface before treatment. (b) Laying cement concrete using broken brick bats 25mm to 100mm size with 50% of cement mortar 1:5 admixed with proprietary water proofing compound conforming IS:2645 over 20mm thick layer of cement mortar 1:5 including rounding off junctions of walls and slabs. (c) After two days of proper curing, applying a second coat of cement lurry admixed with proprietary water proofing compound (d) Finishing the surface with 20mm thick jointless cement mortar of mix 1:4 admixed with proprietary water proofing compound and finally finishing the surface with trowel and neat cement slurry and making of 300x300mm square. (e) The whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing and for final test including cost of materials, labour complete as per specifications. (P.No. 68, I.No. 10.2 of PWD SR 2018-19)									
		Cum								
	Vide Total executed Quantity from premeasuremet Page no. 20						90.29			
	Tender Quantity						72.59			
	Quantity Upto 125%						90.29	1126.34	101691.70	
Item No.40	KSRB 9-27.1 : Fixing of door frames in an existing opening including embedding frame in floor and walls after cutting masonary for holdfasts for embedding holdfast in cement concrete 1:3:6 of 20mm and downsize granite metal painting two coats of coal tar to sides of frame,making good the damages to walls and floor as required and disposal of the debries with lead upto 50 m. including cost of materials, labour, complete as per specifications. Pg No 60,Item No9.80									
Measurements taken on										
	First Floor									
	D	Nos	2				2.00			
	D1	Nos	1				1.00			
	D3	Nos	1				1.00			
	Total Executed Quantity						4.00			
	Tender Quantity						3.00			
	Quantity Upto 125%						4.00	1547.86	6191.50	
Item No.41	KSRB 9.4-2: Providing Honne wood frames of doors, windows, clerestory windows,ventilators and other frames ; wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps),but including cost of materials, labour, HOM of machineries complete as per specifications. Specification No. KBS 9.33 Pg No 53,Item No9.11									

Executive Engineer Project Division Yelahanka Zone BBMP, Bangalore-92

6/12/2021

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

Asst. Executive Engineer Project Division Yelahanka Zone BBMP, Bangalore - 92

Scanned by TapScanner

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK : MAINTENANCE AND REPAIR WORKS AT PRIMARY HEALTH CENTER AT JAKKUR IN WARD No. 05

MEASURMENT SHEET

First and Final Bill

Client: Sri. Gnanendra Murthy M D, #418, Balaji Nilaya, 5th Main Road, 4th Cross, Near Priya Darshini School, Kengeri Satellite Town, Banglore-560 060

Chainage In m: From / To

Measurements taken on

Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
Item No.42 KSRB 9.5-2 : Providing and fixing in position fully panelled Honne wood shutters for doors, styles and rails of 40mm thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications. (excluding cost of fixtures) Specification No. KBS 9.34, Pg No. 53, Item No. 9.15									
Measurements taken on									
First Floor	Cum	2	6.21	0.15	0.125	0.23			
D	Cum	1	6	0.15	0.125	0.11			
D1	Cum	1	6.34	0.15	0.125	0.12			
D3									
Total Executed Quantity						**0.46**			
Tender Quantity						**0.37**			
Quantity Upto 125%						**0.46**	99267.25	45911.20	
Item No.43 Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost ofmaterials, labour, complete as per specifications. Pg no:121.Item no:15.60.1									
Measurements taken on									
First Floor	Sqm	3	1.005		2.1	6.33			
D	Sqm	1	0.9		2.1	1.89			
D1	Sqm	1	1.07		2.1	2.25			
D3									
Total executed Quantity						**10.47**			
Tender Quantity						**7.56**			
Quantity Upto 125%						**9.45**	5355.20	50606.70	
Quantity Above 125%						**1.02**	5354.07	5458.20	
Item No.43 Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost ofmaterials, labour, complete as per specifications. Pg no:121.Item no:15.60.1									
Measurements taken on									
First Floor	Sqm	2	6.21	0.15		1.86			
D	Sqm	4	6.21	0.125		3.11			
D1	Sqm	8	6.21	0.125		6.21			
D3									
Total Executed Quantity						**11.18**			
Tender Quantity						**7.92**			
Quantity Upto 125%						**9.90**	**109.90**	**1088.10**	
Quantity Above 125%						**1.28**	**109.91**	**140.50**	

CONTRACTOR

10/12/24
ASSISTANT ENGINEER

Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore

ASSISTANT EXECUTIVE ENGINEER
Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore

Scanned by TapScanner

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK : MAINTENANCE AND REPAIR WORKS AT PRIMARY HEALTH CENTER AT JAKKUR IN WARD No. 05

MEASURMENT SHEET

First and Final Bill

Sri. Gnanendra Murthy M D, #410, Balaji Nilaya, 5th Main Road, 4th Cross, Near Priya Darshini School, Kengeri Satellite Town, Banglore-560 060

Cheque / Bill No.	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
Page No. 1 To Item No.44	KSRB 7.11 : Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using three track window frame of size 92x31.75mm. bottom section 1.3mm thick, weight 1.07kg/m; sides and top sections 1.3 mm, thick, weight 0.933 kg/m.shutter frame section comprising top and bottom section of size 40mmx18mm, wall thickness 1.25mm. weight 0.417 kg /m. shutter side outer 40mmx18mm. wall thickness 1.25mm. weight 0.417 kg/m, shutter interlock section 40mmx26.7mm wall thickness 1.1 mm. thick, weight 0.469 kg/m, the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc.; providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading all aluminium sections including cutting to required length, joints mitred subdividing the frame tenonned and rivetted, in the assembled frame, stiffened with end clips for corners, angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be, with necessary steel screws, raul plugs or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar - using aluminium section powdered coated to a minimum of 60- 70 microns with exterior durable pure polyester grade powder of approved quality.Pg No.35 Item No.7.11.2									
Measurements taken on	First floor									
	W	Sqm	2	1.5		1.2	3.60			
	W1	Sqm	1	1.2		1.2	1.44			
	W2	Sqm	10	0.9		1.2	10.80			
	W3	Sqm	1	0.9		1	0.90			
						Total Executed Quantity	16.74			
						Tender Quantity	19.80			
						Quantity Upto 125%	16.74	5032.26	84240.10	
Item No.45	KSRB 7.9 : Providing and fixing M.S.grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approve design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications.Specification No. KBS 7.12 Pg No.34 Item No.7.9									
Measurements taken on	First Floor									
	W	kg	2			37.8	75.60			
	W1	kg	1			30.24	30.24			
	W2	kg	10			22.68	226.80			
	W3	kg	1			18.9	18.90			
				21kg per sqm 1.5*1.2*21=37.8						
						Total Executed Quantity	351.54			
						Tender Quantity	415.80			
						Quantity Upto 125%	351.54	8.48	2981.10	
Item No.46	KSRB 15-18.2 : Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications. Pg no:123.Item no:15.74									
Measurements taken on										

CONTRACTOR

20/12/24
ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Scanned by TapScanner

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK : MAINTENANCE AND REPAIR WORKS AT PRIMARY HEALTH CENTER AT JAKKUR IN WARD No. 05

MEASURMENT SHEET

First and Final Bill

Client: Sri. Gnanendra Murthy M D, #410, Balaji Nilaya, 5th Main Road, 4th Cross, Near Priya Darshini School, Kengeri Satellite Town, Banglore-560 060

Chainage in m From	To	Description of Item	Unit	No	Lengt (m)	Breadt (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
		For window and ventilators	sqm	1	window qty+ventilator qty			16.74			
		Painting for Grill Works	Sqm		window qty			16.74			
							Total Executed Quantity	33.48			
							Modified Schedule B Quantity	33.48			
							Now to be Paid Quantity	33.48	107.65	3604.20	
Item No.47		KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications.(Including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density) MORTH Specification No. 305									
			cum								
		Vide Total executed Quantity from premeasuremet Page no. 21						3.40			
							Modified Schedule B Quantity	3.40			
							Now to be Paid Quantity	3.40	368.27	1253.00	
Item No.48		Providing and fixing Stainless steel staircase raling as per Chief Architect Drawing No. 11520/ HRSC with hand rail 50mm dia 16 guage hollow pipe welded to vertical hollow 50mm dia pipe of 16 guage, stainless steel vertical pipe spaced at 1.20m regular intervals, and 5 Nos of 25mm dia. Stainless steel hollow horizontal pipe are welded to vertical 50mm dia hollow pipe. The entire assembly is fixed to staircase concrete by using expansion bolts by drilling concrete etc., complete including cost of materials, labour, HOM of machineries and electrical charges, etc., complete as per specifications. Pg 45 Item no.7.38									
Measurements taken on											
		Ground Floor									
		Railing @ 1st Flite & 2 nd Flite	Sqm	2	3.54		0.8	5.66			
		At landing	Sqm	1	0.74		0.8	0.59			
		Top Landing	Sqm	1	1.12		0.8	0.90			
							Total Executed Quantity	7.15			
							Modified Schedule B Quantity	7.15			
							Now to be Paid Quantity	7.15	6822.61	48795.40	
Item No. 49		Providing and fixing Stainless steel staircase raling as per Chief Architect Drawing No. 11520/ HRSC with hand rail 50mm dia 16 guage hollow pipe welded to vertical hollow 50mm dia pipe of 16 guage, stainless steel vertical pipe spaced at 1.20m regular intervals, and 5 Nos of 25mm dia. Stainless steel hollow horizontal pipe are welded to vertical 50mm dia hollow pipe. The entire assembly is fixed to staircase concrete by using expansion bolts by drilling concrete etc., complete including cost of materials, labour, HOM of machineries and electrical charges, etc., complete as per specifications. Pg 45 Item no.7.38									
Measurements taken on											
		First Floor									
		Railing @ 1st Flite & 2 nd Flite	Sqm	3	3.36		0.8	8.06			
		At landing	Sqm	1	0.93		0.8	0.74			
		Parapet Wall	Sqm	1	4.1		0.8	3.28			
							Total Executed Quantity	12.09			
							Modified Schedule B Quantity	12.09			
							Now to be Paid Quantity	12.09	6829.41	82554.00	

CONTRACTOR

22/12/24
ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Scanned by TapScanner

Description of Item	Unit	No.	Length (m)	Breadth (m)	Height (m)	Quantity	Rate Rs	Amount Rs	Remarks
Pg No 47 Item No 7.24 Providing and erecting M.S. tubular trusses of all spans with purlin cleats, angle cleats, bearing plates, base plates, anchor bolts, nuts and washers, including cutting, welding, drilling, grinding, painting with one coat of red oxide zinc chromate primer and two coats of synthetic enamel paint of approved shade, including supply of all materials, labour charges, tools and plants, machinery charges, scaffolding, hoisting, lowering, transportation, etc., complete as per specifications.									
Ground floor TRUSS	Kg		From Steel Calculation			833.33			
First floor TRUSS	Kg		From Steel Calculation			5302.83			
					Total Executed Quantity	6136.16			
					Tender Quantity	3784.57			
					Quantity Upto 125%	4730.34	110.71	523731.71	
					Quantity Above 125%	1405.82	125.78	176801.98	
Item No.32	IRON SHINE TRAPEZOIDAL PROFILED SHEET Providing and installing of pre painted Galvolume iron Trapezoidal profiled sheet of approved make 1260 mm width (1000 mm cover width), 28-30 mm crest height with crest distance of 200 mm c/c with ribs at the centre for stiffening. The total coated thickness (TCT) of the sheet will be 0.47 mm +/- 0.02 mm tolerance Zinc-Alu-Alloy coating AZ150 gsm as per ASTM 1397/A755-550 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 20-22 microns using self drilling/self tapping screws of 25 mm length, to be fixed over the existing purlins, rafters, channels and trusses. Pg No.290 Item No 38.30									
Ground Floor	Sqm	1	14.4	7		100.80			
First Floor	Sqm	1	8.2	4.2		34.44			
					Total Executed Quantity	135.24			
					Tender Quantity	117.25			
					Quantity Upto 125%	135.24	779.60	105433.20	
Item No.33	Pg No 123 Item No 15.23 Providing red lead ready mix priming coat over new steel or other metal surface including preparing the surface by removing loose, dirt and other foreign matter, and scoured with wire brushes, fine steel wool, sand papers including cost of materials, labour, complete as per specifications page no 123 item no 15.23								
Truss									
Ground Floor	Sqm	1	14.4	7		100.80			
First Floor	Sqm	1	8.2	4.2		34.44			
					Total Executed Quantity	135.24			
					Tender Quantity	117.25			
					Quantity Upto 125%	135.24	46.46	6284.00	

Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

ASSISTANT ENGINEER

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Scanned by TapScanner

BRUHAT BANGALORE MAHANAGARA PALIKE

Project name	Maintenance and repair works at primary health centre at Jakkur in Ward No.05
Client	Sri. Gnanendra Murthy M D, #410, Balaji Nilaya, 5th Main Road, 4th Cross, Near Priya Darshini School, Kengeri Satellite Town, Banglore-560 060
Description	Steel calculation sheet

PREMEASUREMENT SHEET

First and Final Bill

SL NO	Item	NO's	NO. OF ELEMENTS	TOTAL NO.	LENGTH	TOTAL LENGTH	WEIGHT /m	Weight
					m	m	Kg/m	Kg
Item No.50	Pg No 43,Item No 7.29 Fabrication supplying and erecting M.S. tubular trusses of all spans with prefabricated steel applications using quality material and are durable, reliable and corrosion and abrasion resistant. Welding shall confirm to latest structural welding code. Quality shall be on various parameters like shape, size, design gauge and polish. The entire trusses is anchored in RCC column by using 4 nos of M.S. anchor bolts at each support with 10mm thick base plate and shoe plate. The work includes cutting, straightening, placing in position of M.S. pipes and welding wherever necessary and applying one coat of redoxide primer coat to all the. members including cost of all materials, labour							
Measurements taken on								
1	**Column**							
	Ground Floor							
	NB-80, OD-88.9, 4TH @ 6.72kg/m	5	1	5	2.67	13.35	6.72	89.712
	First Floor							
	Front							
	ISMB 150@ 14.9kg/m	5	1	5	3.3	16.5	14.9	245.85
	Back							
	ISMB 150@ 14.9kg/m	5	1	5	3.65	18.25	14.9	271.925
2	**TRUSS**							
	First Floor							
	Bottom							
	ISA 200X100X15 @ 33.6kg/m	5	1	5	7.00	35.00	33.6	1176.00
	Top							
	ISA 200X100X12 @ 27.2kg/m	5	1	5	7.00	35.00	27.2	952.00
	Vertical member							
	ISA 200X100X12 @ 27.2kg/m	4	7	28	0.45	12.60	27.2	342.72
	Inclined member							
	ISA 200X100X12 @ 27.2kg/m	4	6	24	1.28	30.72	27.2	835.58

Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore-92

CONTRACTOR

28/12/24
ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER
Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Scanned by TapScanner